

Abstract

A sensor is described for determining a physical property of a gas that is to be measured, especially the pressure, the temperature or the concentration of a gas component in the exhaust gas of internal combustion engines, which has a sensor element (11) supported in a sensor housing (10) whose gas-sensitive sensor section (111) protrudes from the sensor housing (10), and has a protective tube (12) that surrounds the sensor section (111). In order to achieve an effective protection of the gas-sensitive sensor section (111) from water drops and solid substances included in the exhaust gas, in conjunction with cost-effective production of the protective tube (12), protective tube (12) is developed spiral-shaped, yielding a tube wall that is spiral-shaped in cross section.

(Fig. 4)